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PHOTOGRAPHIC INTERPRETATION REPORT



KH-4 MISSION 1042-1

17-22 JUNE 1967

DECLASS REVIEW by NIMA/DOD

TCS-80400/67

JUNE 1967

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42 PAGES

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GROUP 1 EXCLUDED FROM
AUTOMATIC DOWNGRADING
AND DECLASSIFICATION

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TARGET CATEGORIES

1. GUIDED MISSILES *

- A. ICBM Deployment
- B. IRBM and MRBM (including search areas)
- C. Research and Development (including space)
- D. Production Facilities (including test)
- E. Suspect Missile (Search area or undetermined activity)
- F.
- G. Naval Launched Missiles
- H. Anti-Missile Missile
- I. SAM Sites
- J. Short Range Surface-to-surface Missiles
- K. Missile support/storage areas
- L. SAM Training Complexes

2. AIRCRAFT

- A. Long Range Bases
- B. Production Facilities (including R and D)
- C. Airfields

3. NUCLEAR ENERGY

- A. Test Area
- B. Production
- C. Stockpiles
- D. Research Institutes
- E. Suspect Activity

4. NAVAL ACTIVITY

- A. Operating Bases
- B. Production Yards
- C. Commercial Ports
- D. Locks and Canals

5. BIOLOGICAL/CHEMICAL WARFARE

- A. BW/CW Test Areas (including test)
- B. Production
- C. Storage
- D. Research Institutes
- E. Suspect Activity

6. ELECTRONICS

- A. Missile Tracking Facilities
- B. Electronics (general)

7. MILITARY

- A. Military Installations
- B. Special Areas
- C.
- D. Landing Beaches

E.

F.

G. Tactical SSM Support Facilities

8. URBAN/INDUSTRIAL

- A. Complexes
- B. Industrial Plants
- C. Geodetic Control Points

9. OTHER

- A. Unidentified Installations

* Digits in these numbers indicate specific target complexes. A suffix identifies individual components within the complex.

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KH-4 MISSION 1042-1, 17-22 JUN 67

PC-80400/67

TABLE OF CONTENTS

PREFACE	2
TRACK OF MISSION	3
HIGHLIGHTS	7
MISSILES	14
AIR FACILITIES	29
NUCLEAR ENERGY	30
ELECTRONICS/COMMUNICATIONS	34
MILITARY ACTIVITY	36
COMPLEXES	37
INDEX OF TARGETS	38
ATTACHMENTS	APPENDIX

TOP SECRET

TOP SECRET

TCS-80400/67

KH-4 MISSION 1042-1, 17-22 JUN 67

PREFACE

THIS IS THE ONLY OAK REPORT ON MISSION 1042-1 COVERING THE HIGHEST PRIORITY TARGETS NOT REPORTED IN THE FORTHCOMING MIDDLE EAST EDITION (TCS-80401/67) OR THE SOUTH CHINA/NORTH VIETNAM EDITION (TCS-80402/67).

TARGETS ARE ARRANGED IN THE OAK BY SUBJECT AND WITHIN EACH SUBJECT BY COMOR TARGET NUMBER. TARGETS OF OPPORTUNITY OBSERVED DURING THE OAK REPORTING PERIOD ARE LISTED NUMERICALLY UNDER THE APPROPRIATE SUBJECT AFTER THE LISTING OF COMOR TARGETS. LOCATIONS OF TARGETS IN THIS REPORT ARE INDICATED BY THE COUNTRY CODE PRECEDING THE COORDINATES.

SELECTED PHOTOGRAPHIC REFERENCES FOLLOW THE DESCRIPTION OF THE TARGET. PASS NUMBERS ARE SUFFIXED WITH EITHER AN A FOR ASCENDING (SOUTH-TO-NORTH), D FOR DESCENDING (NORTH-TO-SOUTH) OR M FOR A MIXED ASCENDING AND DESCENDING PASS. THE LETTER F PRECEDING FRAME NUMBERS INDICATES THE FORWARD CAMERA, AND THE LETTER A INDICATES THE AFT CAMERA. UNIVERSAL REFERENCE GRID COORDINATES ARE GIVEN IN PARENTHESIS AFTER THE FRAME NUMBER TO WHICH THEY APPLY. THIS GRID IS UNIVERSAL GRID NO 1, FEB 64. SYMBOLS FOR CONDITIONS AFFECTING INTERPRETABILITY ARE -- C (CLEAR), SC (SCATTERED CLOUD COVER), HC (HEAVY CLOUD COVER), H (HAZE), CS (CLOUD SHADOW), S (SNOW), O (OBLIQUITY), SD (SEMI-DARKNESS), D (DARKNESS), GC (GROUND COVER), CF (CAMOUFLAGE), GR (GROUND RESOLUTION), AND SS (SMALL SCALE).

INTERPRETABILITY OF THE PHOTOGRAPHY IS CATEGORIZED AS G (GOOD), F (FAIR), OR P (POOR). THE EXTENT OF PHOTOGRAPHIC COVERAGE IS DENOTED BY THE SYMBOLS T (TOTAL) OR PT (PARTIAL). THE MODE OF COVERAGE IS INDICATED BY ST (STEREO), NS (NON-STEREO), OR PS (PARTIAL STEREO).

RECIPIENTS ARE CAUTIONED THAT THE INITIAL SCAN OF THE PHOTOGRAPHY IS BEING ACCOMPLISHED IN A SHORT TIME AND PRIOR TO FINAL REFINEMENT OF EPHEMERIS DATA. CONSEQUENTLY, FUTURE DETAILED ANALYSIS MAY RESULT IN ADDITIONAL INFORMATION. MOREOVER, RECIPIENTS ARE CAUTIONED THAT THE IDENTIFICATION OF TARGETS IS BASED PRIMARILY ON PHOTOGRAPHY AND DOES NOT CONSTITUTE A FINISHED INTELLIGENCE JUDGMENT.

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Highlights

TOP SECRET

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KH-4 MISSION 1042-1, 17-22 JUN 67

HIGHLIGHTS

1. NINE OF THE 24 DEPLOYED ICBM COMPLEXES ARE COVERED ON THIS MISSION. KOSTROMA AND YURYA ARE COMPLETELY COVERED ON CLEAR PHOTOGRAPHY. DROVYANAYA, IMENI GASTELLO, OLOVYANNAYA, TATISHCHEVO, TEYKOVO, UZHUR, AND YOSHKAR-OLA ARE OBSERVED THROUGH SCATTERED-TO-HEAVY CLOUDS. SIX TYPE IIID SITES ARE NEWLY IDENTIFIED. FIVE SITES, INCLUDING A CONTROL SITE, ARE IDENTIFIED AT OLOVYANNAYA. THESE SITES CONFIRM THE EXISTANCE OF THE NINTH GROUP AT THIS COMPLEX. SUPPORT BUILDINGS FOR THE CONTROL SITE WERE APPARENT [REDACTED] HOWEVER, THE FIRST EVIDENCE OF A SITE IS ON THIS MISSION. AT KOSTROMA, A POSSIBLE SITE IS IDENTIFIED AT THE TRANSFER POINT.

THE CURRENT NUMBER OF ICBM LAUNCHERS AT THE 24 KNOWN DEPLOYED COMPLEXES (THE FIGURES SHOWN IN PARENTHESIS INDICATE THE NUMBER OF POSSIBLE LAUNCHERS AND ARE NOT INCLUDED IN THE TOTALS) IS AS FOLLOWS --

TYPE IIIC	177 (1)
TYPE IIID	507 (4)
SUBTOTAL	684 (5)
OTHER LAUNCHERS	209
TOTAL	893 (5)

2. THE PLESETSK MISSILE AND SPACE CENTER IS IMAGED ON 3 PASSES OF [REDACTED] NO NEW LAUNCH FACILITIES ARE IDENTIFIED.

3. PORTIONS OF THE KAPUSTIN YAR/VLADIMIROVKA MISSILE TEST CENTER INCLUDING THE SAM COMPLEX, LAUNCH COMPLEXES C, D, G, AND H, AND THE AHKTUBINSK/VLADIMIROVKA AIRFIELD ARE VISIBLE ON [REDACTED] THROUGH SCATTERED-TO-HEAVY CLOUDS. MISSILE EXERCISES ARE OBSERVED AT LAUNCH AREAS 1C, 2C, 3C, AND 4C AND THE 2 UNIDENTIFIED OBJECTS REMAIN ON THE PADS AT COMPLEX H. AN AERODYNAMIC VEHICLE IS OBSERVED ON A LAUNCHER AT LAUNCH AREA 3D.

4. THE SARY-SHAGAN ANTIMISSILE TEST CENTER IS COVERED ON CLEAR PHOTOGRAPHY. THE RADAR SCREEN UNDER CONSTRUCTION AT HEN ROOST ANTENNA NORTH, SARY-SHAGAN R&D RADAR FACILITY 2, HAS BEEN EXTENDED FROM 300 FEET IN LENGTH IN [REDACTED] TO 450 FEET AS OF [REDACTED]

5. TWO PROBABLE LONG RANGE SAM LAUNCH COMPLEXES ARE NEWLY IDENTIFIED AT KALININGRAD (54-40N 021-01E) AND VENTSPILS (57-16N 021-28E), USSR. KALININGRAD IS IN AN EARLY-TO-MID STAGE OF CONSTRUCTION WHILE VENTSPILS IS IN AN EARLY STAGE OF CONSTRUCTION.

TOP SECRET

7

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TCS-80400/67

KH-4 MISSION 1042-1, 17-22 JUN 67

6. OF THE 32 PREVIOUSLY KNOWN PLRS COMPLEXES, 10 ARE OBSERVED ON THIS MISSION UNDER VARIOUS WEATHER CONDITIONS. THEY INCLUDE KURESSAARE, KAPUSTIN YAR, PLESETSK, TALLINN, CHEREPOVETS, LIEPAJA, MURASHI, KOSTROMA, AND SARY-SHAGAN 1 AND 2.

7. THE SHUANG-CHENG-TZU MISSILE TEST CENTER, CHINA, WITH THE EXCEPTION OF THE AIRFIELD IS COVERED ON [REDACTED] WITH POOR-TO-FAIR INTERPRETABILITY. NO ACTIVITY IS OBSERVED AT THE SSM LAUNCH FACILITIES. UNIDENTIFIED CONSTRUCTION CONTINUES AT SUSPECT SSM TRAINING SITES 3 AND 5, LOCATED 56 NM NORTH AND 88 NM NNE, RESPECTIVELY, OF THE MAIN SUPPORT BASE.

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10. TWO TROPOSCATTER FACILITIES AND A TALL KING-AW RADAR FACILITY ARE NEWLY IDENTIFIED. THE FIRST TROPOSCATTER FACILITY IS LOCATED 21 NM NE OF ARANTUR AT 61-10N 064-00E AND THE OTHER IS LOCATED 9 NM SOUTH OF TATARSKOYE AT 64-36N 087-40E. THE TALL KING FACILITY IS LOCATED 19 NM SE OF KOTLAS AT 60-59N 046-57E.

11. THE SOVIET BUILDUP AT CHOYBALSAN, MONGOLIA, PREVIOUSLY REPORTED ON [REDACTED] CONTINUES TO SHOW A HIGH LEVEL OF ACTIVITY. A PROBABLE AIRFIELD IS UNDER CONSTRUCTION EAST OF THE COMPLEX AND A NEW TENT CAMP AND MOTOR PARK ARE OBSERVED JUST WEST OF CHOYBALSAN.

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STATUS OF TARGET READOUT

THIS OAK REPORTS ON 53 COMOR TARGETS AND 6 BONUS TARGETS.

TABULAR SUMMARY

TOP SECRET

25X1

TOP SECRET

TCS-80400/67

KH-4 MISSION 1042-1, 17-22 JUN 67

A RECAPITULATION OF SIGNIFICANT ACTIVITY OBSERVED ON THIS MISSION AND NPIC CURRENT MISSILE LISTINGS IS PRESENTED IN THE FOLLOWING TABLES ON SUCCEEDING PAGES --

TABLE 1 -- SOVIET ICBM DEPLOYMENT
TABLE 2 -- SOVIET MRBM AND IRBM DEPLOYMENT
TABLE 3 -- SAM AND ABM DEPLOYMENT
TABLE 4 -- DEPLOYED PROBABLE LONG RANGE SAM COMPLEXES
TABLE 5 -- DATE/TIME OF PHOTOGRAPHIC PASSES

TOP SECRET

KH-4 MISSION 1042-1, 17-22 JUNE 1967

TABLE 1. DEPLOYED ICBM COMPLEXES, TYURATAM MTC AND PLESETSK MSC

COMPLEX	TYPE II	TYPE III	TYPE IIIC		TYPE IIID		New Positions This Mission		Total Launch Positions	Launch Groups Identified L-Electronic Facilities		Estimated Start of Latest Group
	A-D Sites (Launchers)	A&B Sites (Launchers)	Sites (Launchers)	Complete	Sites (Launchers)	Complete	IIIC	IIID		IIIC	IIID	
ALEYSK			19	6					19	3	2	Jul 66
DOMBAROVSKIY			37	12					37	6	4	Dec 66
★ DROVYANAYA	3	3			51	34			66		5	Jun 66
GLADKAYA	2	1			61	50			68		6	Mar 66
★ IMENI GASTELLO			25	17					25	4	2	Jun 66
ITATKA	3								6			
KARTALY			29	12					29	5	3	Dec 66
★ KOSTROMA	6	1			30(1#)			(1#)	45(1#)		3	Feb 67
KOZELSK	3	2			40	3			52		4	Feb 67
NOVOSIBIRSK	3	2							12			
★ OLOVYANNAYA		3			86	38		5	95		9	Dec 66
OMSK		1							3			
PERM	5	1			41	40			54		4	Apr 66
SHADRINSK		3							9			
SVOBODNYI	7	1			49(1#)				66(1#)		5	Jan 67
★ TATISHCHEVO					111(1#)	49			111(1#)		11	Jul 66
★ TEYKOVO	6								12			
TYUMEN	2								4			
★ UZHUR			42(1#)	18					42(1#)	7	4	Jan 67
VERKHNYAYA SALDA	7	2							20			
YEDROVO	6	2			38 (1#)	1			56(1#)		4	Feb 67
★ YOSHKAR-OLA	6								12			
★ YURYA	8	3							25			
ZHANGIZ-TOBE			25	12					25	4	3	Aug 66
TOTALS	67	25	177(1#)	77	507(4#)	215		6	893(5#)	29	51	

TYURATAM MTC	2	3	9	6	11	11	80 total launchers includes 8 other single silos and 17 SSM R&D/Space Launch Positions.
★ PLESETSK MSC	4	1					39 total SSM Launch Positions -- includes 8 Type I, 9 other Type II, 10 other Type III, and 1 U/I (site 12).

★ Covered This Mission (#) Possible The Possible Sites Are Not Included In The Total Count

TOP SECRET

KH-4 MISSION 1042-1, 17-22 JUNE 1967

TABLE 2. SOVIET MRBM AND IRBM DEPLOYMENT

Geographic Area	Soft MRBM Launch Areas	Soft IRBM Launch Areas	Hard MRBM Launch Areas	Hard IRBM Launch Areas	Total Launch Areas	Total Launch Positions
Western	118	9	18	10	155	608
Caucasus	3		2	3	8	29
Central Asia	2	2	1	3	8	29
Far Eastern	9	1		1	11	43
Totals	132	12	21	17	182	709

Totals do not include 100 fixed field-type sites with total of 374 launch positions and one launch facility at Sovetskaya Gavan

TABLE 3. SAM AND ABM DEPLOYMENT

		Country																			
		USSR	Albania	Bulgaria	Czechoslovakia	Hungary	Poland	Rumania	Yugoslavia	China	Mongolia	North Korea	Indonesia	Egypt	Cuba	India	North Vietnam	Afghanistan			Totals***
SAM sites	SA-1	56																	56	Confirmed	
		1																	1	Probable	
	SA-2	1032	2	19	25		16	32	18	5	21	2	10	5	35	24	16	168	1	1487	Confirmed
		2			1						1							1		7	Probable
																		3		3	Possible
		35			1						9			1	3	2	1	2		54	Training ***
		110																		110	Confirmed
		1																		1	Probable
	SA-3								1											1	Possible
		13																		13	Training ***
SA-2 SAM Support Facilities	206	1	4	6		4	6	2	1		1	1	5	6	3	1			251	Confirmed	
	2		2					1					1						6	Probable	
SA-3 SAM Assembly Facilities																				Possible	
	14																		14	Confirmed	
	2																		2	Probable	
+Probable Long Range SAM																				Possible	
																				Suspect	
	34																		34	Confirmed	
ABM Complexes																				Probable	
	7																		7	Confirmed	
																				Possible	

*Does not include alternate sites, USSR

***Total reflects individual sites

**Does not include 31 abandoned sites

+Includes 2 Probable R & D or Training sites at SSATC

TOP SECRET

KH-4 MISSION 1042-1, 17-22 JUNE 1967

TABLE 4. DEPLOYED PROBABLE LONG RANGE SAM COMPLEXES

Complex	Sites Positions	Tracking/Guidance Facility No of Positions	Associated Air Warning Facility	Complex	Sites Positions	Tracking/Guidance Facility No of Positions	Associated Air Warning Facility
ANGARSK	3 18	3	✓	☆ LIEPAJA	5 30	5	✓
BABAYEVO	3 18	3		MOZHAYSK	3 18	3	
BORSHCHEV	1 6			☆ MURASHI	5 30	5	✓ Prob
CHELYABINSK	3 18	3		NEYA	3 18	3	
☆ CHEREPOVETS	5 30	5	✓	NIZHNIY TAGIL	3 18	3	
FEODOSIYA	3 18	3	✓	NIZHNYAYA TURA	3 18	3	
KALININ	3 18	3		PERESLAVL- ZALESSKIY	3 18	3	✓
☆ KALININGRAD	3 18	3		☆ PLESETSK	3 18	3	✓
☆ KAPUSTIN YAR	2 12	2		☆ SARY-SHAGAN 1	3 18	3	✓
KHABAROVSK	3 18	3		☆ SARY-SHAGAN 2	2 12	2	✓
KIMRY	3 18	3	✓	SHARYA	2 12	2	
KIYEV	3 18	3	✓	SVERDLOVSK	3 18	3	✓
☆ KOSTROMA	3 18	3		☆ TALLINN	5 30	5	✓
KRASNOYARSK	3 18	3		TOMSK	3 18	3	
☆ KURESSAARE	3 18	3		☆ VENTSPILS	3 18	3	
LENINGRAD NE	5 30	5		VOLGOGRAD	3 18	3	✓
LENINGRAD NW	5 30	5					
LENINGRAD SW	5 30	5					
				TOTALS	34 111 666	110	13+1 Prob

☆ Covered this mission * Probable R&D or training associated ✓ Identified at this complex

TOP SECRET

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Missiles

25X1

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TOP SECRET

25X1

TCS-80400/67

KH-4 MISSION 1042-1, 17-22 JUN 67

MISSILES

PLESETSK MISSILE AND SPACE CENTER

UR 6254N 04038E

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THE CENTER IS COVERED ON 3 PASSES OF PHOTOGRAPHY OF FAIR-TO-POOR INTERPRETABILITY. THE CENTER IS PARTIALLY OBSCURED BY SCATTERED-TO-HEAVY CLOUD COVER ON EACH OF THE THE PASSES, BUT EVERY ELEMENT OF THE CENTER EXCEPT LAUNCH SITE 11 IS OBSERVED.

LAUNCH SITE 19 IS CONFIRMED AS A SINGLE SILO SITE OF UNDETERMINED TYPE. NO NEW ICBM OR ABM/LONG RANGE SAM FACILITIES ARE IDENTIFIED IN THE CLOUD-FREE PORTIONS OF THE 50-NM SEARCH AREA.

25X1

YURYA ICBM COMPLEX

UR 5904N 04917E

25X1

THE COMPLEX AND THE 50-NM SEARCH AREA ARE COVERED ON CLEAR PHOTOGRAPHY OF GOOD INTERPRETABILITY. NO NEW MISSILE FACILITIES OBSERVED.

25X1

YOSHKAR-OLA ICBM COMPLEX

UR 5633N 04801E

25X1

THE EASTERN HALF OF THE SEARCH AREA AND 6 SITES OF THE COMPLEX ARE COVERED ON PHOTOGRAPHY. NO NEW MISSILE ACTIVITY OBSERVED IN CLOUD-FREE PORTIONS OF THE 50-NM SEARCH AREA.

25X1

DROVYANAYA ICBM COMPLEX

UR 5131N 11300E

25X1

ALL 51 TYPE IIID LAUNCH SITES, 1 TYPE IIB LAUNCH SITE, 2 TYPE IID LAUNCH SITES, 3 TYPE IIIA LAUNCH SITES, THE COMPLEX SUPPORT FACILITY, AND THE RAIL-TO-ROAD TRANSFER POINT ARE INTERPRETABLE. NO NEW MISSILE ACTIVITY OBSERVED WITHIN THE 50-NM SEARCH AREA.

25X1

TOP SECRET

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25X1

Approved For Release 2002/05/02 : CIA-RDP99T01396R000300110001-8

TOP SECRET

25X1

KH-4 MISSION 1042-1, 17-22 JUN 67

TCS-80400/67

25X1

KOSTROMA ICBM COMPLEX

UR 5746N 04101E

25X1

THE ENTIRE 50-NM SEARCH AREA IS COVERED. ALL 37 SITES INCLUDING ONE NEWLY IDENTIFIED SITE, THE RAIL-TO-ROAD TRANSFER POINT, AND THE COMPLEX SUPPORT FACILITY ARE VISIBLE. NEWLY IDENTIFIED POSSIBLE SITE 44 AT 57-51N 041-19E, LOCATED AT THE RAIL-TO-ROAD TRANSFER POINT, IS IN AN UNDETERMINED STAGE OF CONSTRUCTION. THE SITE CAN BE NEGATED ON [REDACTED] AND IS FIRST SEEN OF [REDACTED] NO OTHER NEW MISSILE FACILITIES IDENTIFIED IN CLOUD-FREE PORTIONS OF THE SEARCH AREA.

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PHOTOGRAPHIC REFERENCES FOR THE NEW SITE --

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TEYKOVO ICBM COMPLEX

UR 5652N 04034E

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ALL 6 SS-7 LAUNCH SITES, THE COMPLEX SUPPORT FACILITY, AND THE RAIL-TO-ROAD TRANSFER POINT ARE INTERPRETABLE. NO NEW MISSILE FACILITIES ARE IDENTIFIED IN THE INTERPRETABLE PORTIONS OF THE 50-NM SEARCH AREA.

25X1

UZHUR ICBM COMPLEX

UR 5517N 08949E

25X1

THE WESTERN HALF OF THE 50-NM SEARCH AREA IS COVERED ON PHOTOGRAPHY. TWENTY-THREE OF THE KNOWN LAUNCH SITES, THE COMPLEX SUPPORT FACILITY, AND THE RAIL-TO-ROAD TRANSFER POINT ARE OBSERVED. NO NEW MISSILE FACILITIES IDENTIFIED IN CLOUD-FREE PORTIONS.

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OLOVYANNAYA ICBM COMPLEX

UR 5049N 11550E

25X1

SEVENTY-FIVE OF THE KNOWN 86 TYPE IIID LAUNCH SITES, ALL 3 TYPE IIIA LAUNCH SITES, THE COMPLEX SUPPORT

25X1

TOP SECRET

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25X1

TCS-80400/67

KH-4 MISSION 1042-1, 17-22 JUN 67

FACILITY, AND THE RAIL-TO-ROAD TRANSFER POINT ARE INTERPRETABLE. THIS TOTAL REFLECTS 5 NEWLY IDENTIFIED TYPE IIID LAUNCH SITES WHICH ARE THE START OF LAUNCH GROUP L (THE NINTH GROUP AT THIS COMPLEX). THE OAK FOR

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[REDACTED] REPORTED THE IDENTIFICATION OF A POSSIBLE CONTROL FACILITY APPROXIMATELY 30 NM EAST OF THE COMPLEX SUPPORT FACILITY AT 50-53N 116-32E. THIS FACILITY IS NOW DETERMINED TO BE THE CONTROL SITE FOR THE NEWLY IDENTIFIED L GROUP AND IS DESIGNATED SITE 90L. THE BUILDINGS CAN BE NEGATED ON [REDACTED]

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[REDACTED] AND ARE FIRST SEEN ON [REDACTED] THE EXCAVATION FOR THE LAUNCH SITE IS FIRST SEEN ON [REDACTED]

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THE OTHER 4 NEWLY IDENTIFIED SITES IN THIS GROUP ARE DESIGNATED PROBABLE SITE 87L AT 50-58N 116-31E, SITE 88L AT 50-58N 116-35E, SITE 89L AT 50-56N 116-33E, AND SITE 91L AT 50-55N 116-25E. THE LATTER SITE CAN BE NEGATED ON [REDACTED] AND IS FIRST SEEN ON [REDACTED] THE OTHER 3 SITES CAN BE NEGATED ON [REDACTED] AND ARE FIRST SEEN ON THIS MISSION. ALL OF THE NEW SITES ARE IN EARLY STAGES OF CONSTRUCTION. NO OTHER MISSILE-RELATED ACTIVITY OBSERVED IN CLOUD-FREE PORTIONS OF THE SEARCH AREA.

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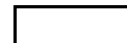
PHOTOGRAPHIC REFERENCES FOR THE NEW SITES --

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IMENI GASTELLO ICBM COMPLEX

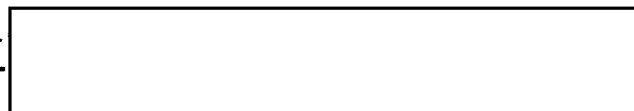
UR 5106N 06618E



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NINETEEN OF THE 25 KNOWN TYPE IIIC LAUNCH SITES ARE COVERED. NO NEW MISSILES OR MISSILE-RELATED ACTIVITY OBSERVED IN CLOUD-FREE PORTIONS OF THE WESTERN 60 PERCENT OF THE 50-NM SEARCH AREA COVERED ON PHOTOGRAPHY.

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TOP SECRET

25X1

TCS-80400/67

KH-4 MISSION 1042-1, 17-22 JUN 67

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TATISHCHEVO ICBM COMPLEX

UR 5140N 04534E

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APPROXIMATELY 95 PERCENT OF THE SEARCH AREA IS CLOUD COVERED. NINE TYPE IIID LAUNCH SITES ARE INTERPRETABLE AND 8 ADDITIONAL SITES CAN BE IDENTIFIED ONLY. NO NEW MISSILE ACTIVITY OBSERVED.

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KAPUSTIN YAR/VLADIMIROVKA MSL TEST CTR

UR 4835N 04545E

25X1

THE ENTIRE CENTER IS COVERED ON PHOTOGRAPHY BUT SCATTERED-TO-HEAVY CLOUD COVER AND CLOUD SHADOW SEVERELY LIMIT INTERPRETABILITY. NO NEW MISSILE FACILITIES OBSERVED IN THE VISIBLE PORTIONS OF THE 50-NM SEARCH AREA.

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KAPUSTIN YAR LAUNCH COMPLEX B

UR 4841N 04616E

25X1

ONLY A PORTION OF THE LAUNCH AREA IS VISIBLE.

NO MISSILES, MISSILE-RELATED EQUIPMENT, NEW CONSTRUCTION, CHANGES IN FACILITIES, OR PREVIOUSLY UNREPORTED FEATURES OBSERVED.

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KAPUSTIN YAR LAUNCH COMPLEX C

UR 4836N 04616E

25X1

SCATTERED CLOUDS, CLOUD SHADOW, AND HAZE SEVERELY LIMIT INTERPRETATION OF LAUNCH COMPLEX C.

LAUNCH AREA 1C -- PAD 1C-1 IS CLOUD COVERED. THE APPROXIMATELY 80-FT-LONG RAIL-SERVED CYLINDER-ERECTOR REMAINS ON PAD 1C-2. ON PAD 1C-3, A PROBABLE MISSILE/ERECTOR IS ERECTED AT THE SAME POSITION. THE APPROXIMATELY [REDACTED] CYLINDRICAL OBJECT WAS OBSERVED ON [REDACTED]

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TOP SECRET

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Approved For Release 2002/05/02 : CIA-RDP99T01396R000300110001-8
KH-4 MISSION 1042-1, 17-22 JUN 67

LAUNCH AREA 2C -- PAD 2C-1 IS CLOUD COVERED. PAD 2C-2 IS ACTIVE WITH A PROBABLE TRANSPORTER AND ERECTOR ON THE PAD.

LAUNCH AREA 3C -- A PROBABLE ERECTOR IS ON THE LAUNCH PAD AND A CHECKOUT TENT IS OBSERVED ON THE SW DUMBELL PAD.

LAUNCH AREA 4C -- AT LAUNCH SITE 4C-1, THE SE SILO IS OPEN, ALL OTHER SILOS APPEAR CLOSED. AT LAUNCH SITE 4C-2, THE SW SILO IS OPEN, ALL OTHER SILOS APPEAR CLOSED.

LAUNCH AREA 5C -- THE AREA IS CLOUD COVERED.

LAUNCH AREA 6C -- CONSTRUCTION CONTINUES. DETAILS ARE NOT DISCERNIBLE.

25X1

KAPUSTIN YAR LAUNCH COMPLEX D

UR 4828N 04618E

25X1

AN AERODYNAMIC VEHICLE, SIMILAR TO OTHERS OBSERVED PREVIOUSLY, IS ON A LAUNCHER AT LAUNCH AREA 3D. VEHICLES/PIECES OF EQUIPMENT ARE ON THE ROADS BEHIND THE CHECKOUT BUILDING.

25X1

KAPUSTIN YAR LAUNCH COMPLEX G

UR 4822N 04617E

25X1

A ROW OF VEHICLES/PIECES OF EQUIPMENT IS JUST NORTH OF THE BARRACKS AREA.

NO NEW CONSTRUCTION, CHANGES IN FACILITIES, OR PREVIOUSLY UNREPORTED FEATURES OBSERVED.

25X1

KAPUSTIN YAR LAUNCH COMPLEX H

UR 4848N 04620E

25X1

VEHICLES/PIECES OF EQUIPMENT ARE ON BOTH LAUNCH PADS.

TOP SECRET

25X1

25X1

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TOP SECRET

25X1

TCS-80400/67

KH-4 MISSION 1042-1, 17-22 JUN 67

NO NEW CONSTRUCTION, CHANGES IN FACILITIES, OR
PREVIOUSLY UNREPORTED FEATURES OBSERVED.

25X1

KAPUSTIN YAR SAM LAUNCH COMPLEX

UR 4848N 04545E

25X1

THE SAM LAUNCH COMPLEX IS COVERED ON PHOTOGRAPHY WITH
FAIR-TO-POOR INTERPRETABILITY.

PRECISION TRACKING RADAR FACILITY -- UNIDENTIFIED
GROUND SCARRING IS OBSERVED WITHIN THE SECURED FACILITY
ALONG THE SE FENCE LINE. THIS SCARRING WAS NOT
OBSERVED ON

25X1

NO APPARENT CHANGES IN FACILITIES ARE OBSERVED AT THE
PROBABLE LONG RANGE SAM LAUNCH FACILITY, THE R & D
LAUNCH AREA, THE SA-1 LAUNCH SITE, OR THE SA-2 AND SA-3
LAUNCH AREAS. ALTHOUGH LIMITING CONDITIONS PRECLUDE AN
ACCURATE COUNT AND IDENTIFICATION OF VEHICLES/PIECES OF
EQUIPMENT, THERE DOES NOT APPEAR TO BE ANY INCREASE IN
ACTIVITY.

OPERATIONAL SAM SITE B30-2 -- OCCUPANCY IS
UNDETERMINED.

NO APPARENT CHANGE IS OBSERVED AT THE R & D AND SA-1
YOYO GUIDANCE SITES, THE SAM HOUSING AND SUPPORT AREA,
THE SAM WARHEAD AREA (50 PERCENT CLOUD COVERED), THE
TROPOSCATTER AND MICROWAVE COMMUNICATIONS FACILITY (50
PERCENT CLOUD SHADOW), THE SAM CHECKOUT AND STORAGE
AREA (95 PERCENT CLOUD COVERED), THE ELECTRONIC TEST
FACILITY, KY AIRFIELD (50 PERCENT SCATTERED CLOUD
COVER), AND THE BASE SUPPORT COMPLEX.

SAM MARSHALLING AREA -- MARSHALLING APRONS 1 THROUGH 6
ARE OCCUPIED BY VEHICLES/PIECES OF EQUIPMENT. A
REDUCTION IN THE NUMBER OF VEHICLES/PIECES OF EQUIPMENT
ON APRON 6 IS APPARENT SINCE APRONS 7,
8, AND 9 APPEAR UNOCCUPIED.

25X1

SAM TRAINING SITES A AND B -- NO ACTIVITY AND NO
APPARENT CHANGE IN FACILITIES OBSERVED. SAM TRAINING
SITE C IS CLOUD COVERED.

INSTRUMENTATION SITES 1 AND 4-9 CAN BE IDENTIFIED ONLY.
SITE 2 IS CLOUD COVERED AND SITE 3 IS NEARLY OBSCURED

TOP SECRET

25X1

25X1

TOP SECRET

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25X1

TCS-80400/67

KH-4 MISSION 1042-1, 17-22 JUN 67

BY CLOUD SHADOW.

25X1

KAPUSTIN YAR MISSILE STOR & HANDLING AREA UR 4822N 04612E

25X1

PROBABLE ASM CRATES REMAIN IN THE SAME POSITIONS AS ON
PREVIOUS COVERAGE.

25X1

KAPUSTIN YAR MSL TEST & SUPPORT COMPLEX UR 4834N 04553E

25X1

NO MISSILES, MISSILE-RELATED EQUIPMENT, NEW
CONSTRUCTION, CHANGES IN FACILITIES, OR PREVIOUSLY
UNREPORTED FEATURES OBSERVED.

25X1

SARY-SHAGAN ANTIMISSILE TEST CENTER UR 4602N 07334E

25X1

ALL FACILITIES AT THE TEST CENTER EAST OF AND INCLUDING
TRACKING FACILITIES 6 AND 8 ARE COVERED ON CLEAR,
STEREO PHOTOGRAPHY OF GENERALLY FAIR INTERPRETABILITY.
NO NEW MISSILE FACILITIES OBSERVED.

25X1

SARY-SHAGAN LAUNCH COMPLEX A (ZONE A) UR 4625N 07252E

25X1

LAUNCH COMPLEX A AND PROBABLE LONG RANGE SAM LAUNCH
COMPLEX 2 ARE COVERED ON [REDACTED] ON ONE PASS OF
CLEAR, STEREO PHOTOGRAPHY OF FAIR-TO-POOR
INTERPRETABILITY. NO SIGNIFICANT CHANGES ARE OBSERVED
SINCE [REDACTED] IN LAUNCH SITES 5 AND 6,
ELECTRONIC SITES D AND G, THE SITE SUPPORT FACILITY,
THE HEADQUARTERS AND ADMINISTRATION AREA, THE ON-SITE
SAM SUPPORT FACILITY, AND THE AIRSTRIP.

25X1

25X1

AT LAUNCH SITE 1, LAUNCH POSITIONS 1/1 THROUGH 1/5 AND

20

TOP SECRET

25X1

25X1

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TOP SECRET

25X1

TCS-80400/67

KH-4 MISSION 1042-1, 17-22 JUN 67

POSITION 1/7 APPEAR OCCUPIED. POSITION 1/6 APPEARS UNOCCUPIED. IDENTIFICATION OF EQUIPMENT PARKED OFF THE LAUNCH POSITIONS AT LAUNCH SITES 1 AND 2 IS NOT POSSIBLE.

AT LAUNCH SITE 2, LAUNCH POSITIONS 2/2, 2/5, AND 2/6 APPEAR OCCUPIED. POSITIONS 2/1, 2/3, AND 2/4 APPEAR UNOCCUPIED.

AT LAUNCH SITE 3, ALL LAUNCH POSITIONS ARE OCCUPIED, PRESUMABLY BY LAUNCHERS, EXCEPT POSITION 3/3. MISSILE DOLLIES APPEAR IN THE SAME LOCATIONS AS ON [REDACTED] TWO AT POSITIONS 3/4, 3/5, AND 3/6, ONE AT POSITION 3/2, AND NONE AT POSITIONS 3/1 AND 3/3. ALTHOUGH THE RIGHT DOLLY AT POSITION 3/5 AND THE LAUNCHER AT POSITION 3/6 APPEAR BULKIER THAN A LAUNCHER OR DOLLY ALONE, POOR INTERPRETABILITY OF THE COVERAGE OVER THIS PARTICULAR AREA DOES NOT PERMIT DETERMINATION OF THE PRESENCE OF MISSILES. THE LAUNCHER OBSERVED ON THE TRANSPORTER ON THE ROAD CLOSE TO POSITION 3/3 ON [REDACTED] [REDACTED] IS NO LONGER PRESENT. EQUIPMENT REMAINS NORTH OF POSITION 3/3, BUT CANNOT BE IDENTIFIED.

25X1

25X1

AT LAUNCH SITE 4, OCCUPANCY OF THE 6 LAUNCH POSITIONS APPEARS TO REMAIN AS SEEN ON [REDACTED] WITH LAUNCHERS ON ALL POSITIONS EXCEPT POSITION 4/5. TWO DOLLIES ARE OBSERVED AT POSITIONS 4/1 AND 4/3, ONE AT POSITION 4/2 AND 4/4, AND NONE AT POSITIONS 4/5 AND 4/6. THE PROBABLE TRANSPORTER ON THE ROAD AT THE SITE CENTER ON [REDACTED] IS NO LONGER PRESENT. THE CONTINUED PRESENCE OF THE 3 MISSILES SEEN FROM [REDACTED] ON THE 215-FT-LONG RAIL-EQUIPPED STRUCTURES IN THE MISSILE HANDLING AREA CANNOT BE DETERMINED.

25X1

25X1

AT ELECTRONIC SITE B, RADAR POSITIONS B-1 AND B-2 REMAIN OCCUPIED, AND POSITION B-3 IS UNOCCUPIED.

AT ELECTRONIC SITE C, RADAR POSITIONS C-1 AND C-2 ARE UNCHANGED. THE POSSIBLE ENGAGEMENT RADAR RECENTLY SEEN UNDER ASSEMBLY ON THE NEW PAD AT RADAR POSITION C-3 WITH ASSOCIATED EQUIPMENT AND THE ENGAGEMENT RADAR OBSERVED WITH ASSOCIATED EQUIPMENT ON THE APRON AT THE NW CORNER OF THE CENTRAL CONTROL BUILDING APPEAR ESSENTIALLY AS OBSERVED ON [REDACTED] AT ELECTRONIC SITE E, THE 2 NORTHERN TOWERS ARE OCCUPIED BY RADAR. THE SOUTHERN TOWER APPEARS UNOCCUPIED.

25X1

AT ELECTRONIC SITE F, FACILITIES REMAIN UNCHANGED SINCE [REDACTED] OF INTEREST IS THE FACT THAT FROM [REDACTED]

25X1

25X1

TOP SECRET

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25X1

TOP SECRET
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25X1

TCS-80400/67

KH-4 MISSION 1042-1, 17-22 JUN 67

25X1

[REDACTED] ALMOST ALL VANS/PIECES OF EQUIPMENT HAD LEFT THE SOUTHERN PORTION OF THE SITE AND RADARS AND VANS ARE NOW CONCENTRATED LARGELY IN THE CENTER OF THE SITE. COVERAGE OF THE MISSILE STORAGE AND CHECKOUT AREA IS NOT SUFFICIENTLY DISTINCT FOR DETERMINATION OF THE STATUS OF RECENT BUILDING EXTENSION AND TRENCHING.

AT PROBABLE LONG RANGE SAM LAUNCH COMPLEX 2, LAUNCHERS ARE PRESENT AT ALL LAUNCH POSITIONS EXCEPT POSITION B/2, WHICH REMAINS UNOCCUPIED. TWO DOLLIES ARE OBSERVED AT THE 6 POSITIONS AT LAUNCH SITE A AND APPEAR PRESENT AT THE 6 POSITIONS OF LAUNCH SITE B, ALTHOUGH AT TIMES THEY ARE BARELY DISCERNIBLE. THE DEGREE OF MISSILE ACTIVITY CANNOT BE ASCERTAINED BECAUSE OF POOR INTERPRETABILITY.

NO SIGNIFICANT CHANGES ARE OBSERVED IN THE ASSOCIATED TRACKING/GUIDANCE RADAR SITE, IN THE BACK NET/SIDE NET SITE TO THE NE, OR IN THE 2 NEARBY UNIDENTIFIED SITES.

25X1

SARY-SHAGAN LAUNCH COMPLEX B (ZONE B)

UR 4559N 07231E

25X1

TWO UNIDENTIFIED PIECES OF EQUIPMENT REPORTED ON [REDACTED] REMAIN PARKED ON THE EAST EDGE OF LAUNCH PAD B-2. TWO PROBABLE ELECTRONIC VANS ARE PARKED AT INSTRUMENTATION SITE B-1. ALL 6 POSITIONS AT SAM SITE B21-2 ARE OCCUPIED.

25X1

NO NEW CONSTRUCTION, CHANGES IN FACILITIES, OR PREVIOUSLY UNREPORTED FEATURES OBSERVED.

25X1

SARY-SHAGAN LAUNCH COMPLEX C

UR 4549N 07325E

25X1

NO SIGNIFICANT CHANGE OBSERVED IN THE LAUNCH AREA OR SUPPORT FACILITIES.

25X1

TOP SECRET

25X1

25X1

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TOP SECRET

25X1

TCS-80400/67

KH-4 MISSION 1042-1, 17-22 JUN 67

SARY-SHAGAN PROB LR SAM LAUNCH CPLX 1 UR 4605N 07327E

25X1

ALL LAUNCH POSITIONS AT THE 3 LAUNCH SITES APPEAR TO BE OCCUPIED BY LAUNCHERS. TWO DOLLIES ARE AT EACH OF THE 12 LAUNCH POSITIONS OF LAUNCH SITES B AND C. THE 3 RADAR POSITIONS IN THE TRACKING/GUIDANCE FACILITY ARE OCCUPIED. CONSTRUCTION HAS CONTINUED SINCE [REDACTED] ON THE BUILDINGS UNDER CONSTRUCTION CLOSE TO THE ENTRANCE TO THE LAUNCH COMPLEX. SINCE [REDACTED] TRENCHING HAS BEGUN FROM THIS BUILDING SITE IN A GENERALLY SW DIRECTION.

25X1

IN THE ELECTRONIC AREA 2.5 NM NW OF THE LAUNCH COMPLEX, THE 2 BACK NET AND 2 SIDE NET RADARS REMAIN. NO SIGNIFICANT CHANGE IS APPARENT SINCE [REDACTED] IN THE 2 UNIDENTIFIED SITES JUST EAST OF THE BACK NET/SIDE NET AREA OR IN THE PROBABLE MISSILE-HANDLING FACILITY APPROXIMATELY 10 NM WNW OF THE LAUNCH COMPLEX.

25X1

25X1

SHUANG-CHENG-TZU MISSILE TEST CENTER

CH 4107N 10020E

25X1

THE MISSILE TEST CENTER, EXCEPT FOR THE AIRFIELD AND ADJACENT INSTALLATIONS, IS COVERED ON PHOTOGRAPHY OF GENERALLY FAIR-TO-POOR INTERPRETABILITY. THE LAUNCH COMPLEXES APPEAR INACTIVE AND NO SIGNIFICANT CHANGES IN EXISTING FACILITIES ARE OBSERVED.

THE UNIDENTIFIED CONSTRUCTION OBSERVED ON [REDACTED] CONTINUES AT THE 2 FORMERLY SUSPECT SSM TRAINING SITES 3 AND 5, 56 NM NORTH AND 88 NM NE, RESPECTIVELY, OF THE MAIN SUPPORT BASE. THE NATURE OF THE CONSTRUCTION IS NOT IDENTIFIABLE, BUT THERE IS A GENERAL SIMILARITY BETWEEN THE 2 SITES.

25X1

THE NORTHERNMOST SITE CONTAINS A GENERALLY OVAL CENTRAL AREA OF CONSTRUCTION IN WHICH A PLUS-SHAPED AND A T-SHAPED STRUCTURE ARE BEING ERECTED. NEW GROUND SCARRING IS VISIBLE AROUND THE AREA AND 45 OR MORE LARGE VEHICLES ARE NEARBY. A PROBABLE CAUSEWAY HAS BEEN CONSTRUCTED ACROSS THE STREAM WEST OF THE SITE, AND A SMALL DIVERSION DAM HAS BEEN PLACED PARTIALLY ACROSS THE STREAM TO THE SW. A PREPARED-SURFACE ROAD LEADS TO A MOTOR POOL AREA WITH A FEW TEMPORARY BUILDINGS/TENTS AND APPROXIMATELY 30 NEARBY TENTS. A

TOP SECRET

25X1

25X1

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TOP SECRET

25X1

TCS-80400/67

KH-4 MISSION 1042-1, 17-22 JUN 67

BACKFILLED TRENCH LEADS APPROXIMATELY 2 NM NE IN THE DIRECTION OF FURTHER UNIDENTIFIED CONSTRUCTION IN AND ON A HILL NORTH OF SO-KUD-NO-ERH LAKE.

THE SOUTHERNMOST SITE HAS A GRID-LIKE PATTERN IN AN OVAL CONSTRUCTION AREA WITH A CENTRAL EXCAVATION AND 4 CROSS EXCAVATIONS. NORTH OF THIS ARE 6 LINEAR EXCAVATIONS. FIVE TENT CAMPS CONTAINING APPROXIMATELY 100 TENTS, A MOTOR POOL WITH A FEW TEMPORARY STRUCTURES, AND A RAIL SPUR FROM THE NORTHERN TERMINUS OF THE RAILROAD NORTH OF THE MAIN SUPPORT BASE ARE ALSO VISIBLE IN THE AREA.

NO NEW MISSILE FACILITIES IDENTIFIED IN CLOUD-FREE PORTIONS OF THE SEARCH AREA.

25X1

SHUANG-CHENG-TZU MTC LAUNCH COMPLEX A CH 4115N 10017E

NO MISSILES, MISSILE-RELATED EQUIPMENT, NEW CONSTRUCTION, CHANGES IN FACILITIES, OR PREVIOUSLY UNREPORTED FEATURES OBSERVED.

25X1

SHUANG-CHENG-TZU MTC LAUNCH COMPLEX B CH 4115N 10018E

THE GANTRY IS IN ITS REAR POSITION.

NO MISSILES, MISSILE-RELATED EQUIPMENT, NEW CONSTRUCTION, CHANGES IN FACILITIES, OR PREVIOUSLY UNREPORTED FEATURES OBSERVED.

25X1

SHUANG-CHENG-TZU MTC LAUNCH COMPLEX C CH 4118N 10017E

NO MISSILES, MISSILE-RELATED EQUIPMENT, NEW CONSTRUCTION, CHANGES IN FACILITIES, OR PREVIOUSLY UNREPORTED FEATURES OBSERVED.

25X1

TOP SECRET

2

25X1

25X1

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TOP SECRET

25X1

TCS-80400/67

KH-4 MISSION 1042-1, 17-22 JUN 67

SHUANG-CHENG-TZU MTC LAUNCH COMPLEX D CH 4122N 10015E

25X1

NO MISSILES, MISSILE-RELATED EQUIPMENT, NEW CONSTRUCTION, CHANGES IN FACILITIES, OR PREVIOUSLY UNREPORTED FEATURES OBSERVED.

25X1

SHUANG-CHENG-TZU MTC SAM LAUNCH COMPLEX CH 4102N 10030E

25X1

NO SIGNIFICANT CHANGES OR ACTIVITY OBSERVED.

AT LAUNCH SITE A, 2 POSITIONS APPEAR TO BE OCCUPIED, THE GUIDANCE AREA CONTAINS SEVERAL VEHICLES/PIECES OF EQUIPMENT, AND THE HOLD REVETMENT CONTAINS AT LEAST 3 VEHICLES/PIECES OF EQUIPMENT. TWO BUILDINGS WHICH ARE SIMILAR TO 2 BUILDINGS AT LAUNCH SITE B HAVE BEEN COMPLETED SINCE [REDACTED] AND ARE LOCATED ON THE WEST SIDE OF THE MAIN SERVICE ROAD AT THE ENTRANCE TO THE SITE.

25X1

AT LAUNCH SITE B, ONE LAUNCH POSITION IS PROBABLY OCCUPIED, THE GUIDANCE AREA CONTAINS AT LEAST 2 VEHICLES/PIECES OF EQUIPMENT, 3 VEHICLES/PIECES OF EQUIPMENT ARE ON THE INNER RING ROAD BETWEEN THE SOUTH REVETTED LAUNCH POSITION AND THE GUIDANCE AREA, AND THE HOLD REVETMENT IS UNOCCUPIED.

NO NEW CONSTRUCTION OR ACTIVITY IS OBSERVED AT LAUNCH SITE C.

NO CHANGE IS OBSERVED AT THE HOUSING AND SUPPORT AREA, SAM ASSEMBLY AND CHECKOUT AREA, DEPLOYED SA-2 SITE AND BARRACKS AREA, AND INSTRUMENTATION SITES 2 THROUGH 6. A PROBABLE GARDEN PLOT IS OBSERVED JUST SOUTH OF INSTRUMENTATION SITE 7. IT CAN BE NEGATED ON [REDACTED]

25X1

25X1

25X1

SHUANG-CHENG-TZU SSM-SAM ASBLY & CHECK CPX CH 4106N 10016E

25X1

NO MISSILES, MISSILE-RELATED EQUIPMENT, NEW CONSTRUCTION, CHANGES IN FACILITIES, OR PREVIOUSLY UNREPORTED FEATURES OBSERVED.

25X1

TOP SECRET

25X1

25X1

TOP SECRET
 Approved For Release 2002/05/02 : CIA-RDP99T01396R000300110001-8

25X1

TCS-80400/67

KH-4 MISSION 1042-1, 17-22 JUN 67

SHUANG-CHENG-TZU MTC MAIN SUPPORT BASE CH 4058N 10011E

25X1

NO MISSILES, MISSILE-RELATED EQUIPMENT, NEW
 CONSTRUCTION, CHANGES IN FACILITIES, OR PREVIOUSLY
 UNREPORTED FEATURES OBSERVED.

25X1

SHUANG-CHENG-TZU PROB SSM TRNG SITE 1 CH 4143N 10025E

25X1

NO MISSILES, MISSILE-RELATED EQUIPMENT, NEW
 CONSTRUCTION, CHANGES IN FACILITIES, OR PREVIOUSLY
 UNREPORTED FEATURES OBSERVED.

25X1

SHUANG-CHENG-TZU PROB SSM TRNG SITE 2 CH 4143N 10041E

25X1

NO MISSILES, MISSILE-RELATED EQUIPMENT, NEW
 CONSTRUCTION, CHANGES IN FACILITIES, OR PREVIOUSLY
 UNREPORTED FEATURES OBSERVED.

25X1

SEVERODVINSK NAVAL BASE AND SHIPYARD 402 UR 6434N 03949E

25X1

OB -- MAIN LAUNCH BASIN (DRY) -- ONE 402/B-SS, 1 AT,
 AND 1 UNIDENTIFIED AUXILIARY.
 FITTING-OUT QUAY, MAIN YARD -- 1 PROBABLE 402/A-SS, 1
 PROBABLE E-SSGN (IN FLOATING DOCK), AND 3 PROBABLE
 N-SSN (1 IN FLOATING DOCK).
 WEST BASIN -- 1 TRANSPORTER DOCK AND 13 UNIDENTIFIED
 VESSELS.
 NUCLEAR SUBMARINE SPECIAL SUPPORT FACILITY -- 1
 PROBABLE N-SSN AND 1 RECTANGULAR BARGE.
 NAVAL BASE PIERS -- 4 UNIDENTIFIED VESSELS.
 FITTING-OUT QUAY, NORTH YARD -- 1 PROBABLE H-SSBN, 2
 PROBABLE G-SSB, 1 BOLVA-APL, 1 BUSSARD-AKL, 1 YAGT, AND
 2 RECTANGULAR BARGES.
 WET DOCK, NORTH YARD -- 1 PROBABLE H-SSBN, 1 PROBABLE
 N-SSN, 1 PROBABLE G-SSB, AND 2 RECTANGULAR BARGES.
 EAST QUAY -- 1 CATAMARAN-TYPE VESSEL AND 4 UNIDENTIFIED
 VESSELS.
 UNIDENTIFIED FACILITY -- 1 UNIDENTIFIED VESSEL.

WORK CONTINUES ON THE COVERED REPAIR WAY AND THE NEW

25X1

TOP SECRET

25X1

TOP SECRET
Approved For Release 2002/05/02 : CIA-RDP99T01396R000300110001-8
KH-4 MISSION 1042-1, 17-22 JUN 67

25X1

FABRICATION BUILDING.

25X1

MOSKVA ABM SEARCH AREA

UR 5545N 03737E

25X1

25X1

25X1

LENINGRAD PROB LR SAM LCH CPLX SEARCH

UR 5955N 03020E

25X1

NO PROBABLE LONG RANGE SAM ACTIVITY OBSERVED.

25X1

KALININGRAD PROB LONG RANGE SAM LCH CPLX

UR 5440N 02101E

BONUS 1

A PROBABLE LONG RANGE SAM (PLRS) LAUNCH COMPLEX IN AN
EARLY-TO-MID-STAGE OF CONSTRUCTION IS NEWLY IDENTIFIED
AT 54-40N 021-01E, APPROXIMATELY 18 NM EAST OF
KALININGRAD.

25X1

DOUBLE SECURITY FENCING IS UNDER CONSTRUCTION AROUND
THE COMPLEX WHICH CONSISTS OF 3 LAUNCH SITES AND A
TRACKING/GUIDANCE FACILITY. ORIENTATION OF THE COMPLEX
IS APPROXIMATELY [REDACTED] BASED UPON THE AZIMUTH OF
A LINE EXTENDING FROM THE ESTIMATED CENTER OF THE
TRACKING/GUIDANCE FACILITY THROUGH THE CENTER OF LAUNCH
SITE B.

25X1

NO EVIDENCE OF CONSTRUCTION ACTIVITY ASSOCIATED WITH
THE COMPLEX WAS OBSERVED ON PHOTOGRAPHY OF [REDACTED]

25X1

(SEE ATTACHMENT)

25X1

TOP SECRET

25X1

25X1

[REDACTED] TOP SECRET [REDACTED] Approved For Release 2002/05/02 : CIA-RDP99T01396R000300110001-8

25X1

TCS-80400/67

KH-4 MISSION 1042-1, 17-22 JUN 67

VENTSPILS PROB LONG RANGE SAM LCH CPLX UR 5716N 02128E BONUS 2

A PROBABLE LONG RANGE SAM (PLRS) LAUNCH COMPLEX IN AN
EARLY STAGE OF CONSTRUCTION IS NEWLY IDENTIFIED
APPROXIMATELY 7 NM SSW OF VENTSPILS.

THE COMPLEX CONSISTS OF 3 LAUNCH SITES, A
TRACKING/GUIDANCE FACILITY, AND A SUPPORT AREA IN AN
EARLY STAGE OF CONSTRUCTION. A SECURITY FENCE IS UNDER
CONSTRUCTION AROUND THE COMPLEX.

ORIENTATION OF THE COMPLEX IS APPROXIMATELY [REDACTED]
DEGREES, BASED UPON THE AZIMUTH OF A LINE EXTENDING
FROM THE CENTER OF THE TRACKING/GUIDANCE FACILITY
THROUGH THE CENTER OF LAUNCH SITE B.

25X1

CONSTRUCTION ACTIVITY ASSOCIATED WITH THE COMPLEX WAS
NOT PRESENT ON [REDACTED]

25X1

(SEE ATTACHMENT)

25X1

[REDACTED]

28

TOP SECRET [REDACTED]

25X1

Air Facilities

25X1

[REDACTED] TOP SECRET [REDACTED]
Approved For Release 2002/05/02 : CIA-RDP99T01396R000300110001-8

25X1

TCS-80400/67

KH-4 MISSION 1042-1, 17-22 JUN 67

AIR FACILITIES

TASHKENT AIRFRAME PLANT B CHKALOV 84 UR 4118N 06918E [REDACTED]

25X1

OB -- 1 PROBABLE BEAGLE, 2 COCK (1 AT FIELD), 17
CAT/CUB, 7 CRATE, 7 CAB, 2 HOOP, AND 4 POSSIBLE
HELICOPTERS.

NO NEW CONSTRUCTION OBSERVED. PREVIOUSLY REPORTED
CONSTRUCTION IN THE PLANT IS CONTINUING, BUT AT A SLOW
RATE. ONLY 1 COCK IS NOW PRESENT NEAR THE FINAL
ASSEMBLY HALL. A SECOND COCK IS VISIBLE AT THE TEST
AND FLY-AWAY FIELD.

25X1

[REDACTED]

CHOYBALSAN PROBABLE AIRFIELD

MG 4808N 11442E BONUS :

8 NM NE OF CHOYBALSAN.
6,550 X 230 FT NW/SE PROBABLE RUNWAY UNDER
CONSTRUCTION. EXTENSIVE GRADING IS OBSERVED ALONG THE
NE SIDE OF THE RUNWAY.

(SEE ATTACHMENT)

25X1

[REDACTED]

2
TOP SECRET

25X1

Nuclear Energy

25X2

Next 3 Page(s) In Document Exempt

**Electronics/
Communications**

25X1

25X1

ELECTRONICS/COMMUNICATIONS

SARY-SHAGAN R & D RADAR FACILITY 2

UR 4556N 07338E

25X1

THE RADAR SCREEN AT HEN ROOST ANTENNA NORTH, FIRST OBSERVED UNDER CONSTRUCTION TO A LENGTH OF 300 FT ON [REDACTED] HAS BEEN EXTENDED SINCE THAT TIME TO THE NORTH AND SOUTH TO A LENGTH OF APPROXIMATELY 450 FT AS OF [REDACTED] APPROXIMATELY 12 BRACES ARE DISCERNIBLE AND A PROBABLE CRANE IS OBSERVED CLOSE TO THE NORTH END OF THE SCREEN.

25X1

25X1

THE RECENTLY CONSTRUCTED RADAR SCREEN AT HEN ROOST ANTENNA SOUTH APPEARS UNCHANGED IN LENGTH SINCE [REDACTED] WHEN IT MEASURED APPROXIMATELY 365 FT IN LENGTH. NUMEROUS CRATES REMAIN IN THE AREA JUST WEST OF THIS SCREEN, SOME OF WHICH HAVE APPEARED SINCE [REDACTED] ONE BUILDING IS UNDER CONSTRUCTION IN THE SW CORNER OF THE SUPPORT AREA.

25X1

25X1

25X1

25X1

25X1

ARANTUR TROPOSCATTER FACILITY

UR 6110N 06400E BONUS 1

21 NM NE OF ARANTUR.
NEWLY IDENTIFIED FACILITY CONSISTS OF 4 TYPE II TROPOSCATTER ANTENNAS, A CONTROL/SUPPORT BUILDING, AND A TRANSMITTER BUILDING. TWO ANTENNAS ARE ORIENTED TOWARD BEREZOVO AND 2 ANTENNAS ARE ORIENTED TOWARD A SUSPECTED TERMINAL FACILITY, PROBABLY NEAR NIZHNIY TAGIL. COORDINATES ARE APPROXIMATE DUE TO LACK OF MAP DETAIL.

25X1

TATARSKOYE TROPOSCATTER FACILITY

UR 6436N 08740E BONUS 2

9 NM SOUTH OF TATARSKOYE.
NEWLY IDENTIFIED FACILITY CONSISTS OF 2 TYPE II AND 2 TYPE IIA TROPOSCATTER ANTENNAS, 2 CONTROL/SUPPORT BUILDINGS, AND 3 SUPPORT BUILDINGS.

25X1

TOP SECRET

25X1

25X1

TOP SECRET
Approved For Release 2002/05/02 : CIA-RDP99T01396R000300110001-8
PC 3-80400/67
KH-4 MISSION 1042-1, 17-22 JUN 67

25X1

KOTLAS TALL KING-AW RADAR FACILITY

UR 6059N 04657E BONUS 3

19 NM SE OF KOTLAS.
NEWLY IDENTIFIED FACILITY CONSISTS OF A TALL KING
ANTENNA, AN ANTENNA BUILDING, A SUPPORT BUILDING, A
GENERATOR BUILDING, AND AT LEAST 2 OCCUPIED RADAR
MOUNDS.

25X1

TOP SECRET

25X1

**Military
Activity**

25X1

[REDACTED] TOP SECRET [REDACTED] Approved For Release 2002/05/02 : CIA-RDP99T01396R000300110001-8 PC5-80400/67

25X1

KH-4 MISSION 1042-1, 17-22 JUN 67

MILITARY ACTIVITY

CHOYBALSAN MILITARY COMPLEX

MG 4804N 11430E [REDACTED]

25X1

A NEW TENT CAMP CONTAINING APPROXIMATELY 30 TENTS AND A LARGE MOTOR PARK IS OBSERVED 2.7 NM WEST OF CHOYBALSAN (48-04N 114-29E), ADJACENT TO A SOVIET TENT CAMP AND MOTOR PARK REPORTED ON [REDACTED]

25X1

ANOTHER NEW TENT CAMP AND PROBABLE NEW BARRACKS AREA ARE OBSERVED 7.3 NM EAST OF CHOYBALSAN ON THE NORTH BANK OF THE KERULEN RIVER (48-07N 114-39E). IT CONTAINS APPROXIMATELY 40 PROBABLE SOVIET-TYPE TENTS. THERE ARE 4 PROBABLE BARRACKS UNDER CONSTRUCTION IMMEDIATELY NORTH OF THE TENT CAMP. APPROXIMATELY 1 NM NE OF THIS TENT CAMP IS A PROBABLE AIRFIELD UNDER CONSTRUCTION (SEE AIRFIELD BONUS 1). ASSOCIATED WITH THIS CONSTRUCTION ARE 5 SOVIET-TYPE TENTS.

OB -- APPROXIMATELY 120 VEHICLES/PIECES OF EQUIPMENT AND NUMEROUS OTHER UNIDENTIFIED PIECES OF EQUIPMENT THROUGHOUT THE SEPARATE AREAS.

25X1

MOROCCAN/ALGERIAN BORDER SEARCH

MO 2718N 00900W [REDACTED]

25X1

PARTIAL COVERAGE INCLUDES 25-NM SEARCH ON EITHER SIDE OF THE BORDER FROM APPROXIMATELY 27-18N 009-00W TO APPROXIMATELY 28-28N 007-03W. INCLUDED IN THIS AREA ARE TINDOUF MILITARY ACTIVITY [REDACTED] TINDOUF AIRFIELD, ROAD CONSTRUCTION ACTIVITY ON THE ROAD LEADING NE FROM TINDOUF, AND A NEW AIRFIELD (2,525 X 55 FT) ORIENTED NE/SW AT APPROXIMATELY 27-57N 007-47W.

25X1

A NEW ROAD IS VISIBLE FROM TINDOUF TO APPROXIMATELY 28-10N 007-35W. THE ROAD IS BLACKTOPPED TO WITHIN 5 NM OF TINDOUF WITH THE EXCEPTION OF 2 SHORT AREAS CROSSING WADIS. NO OTHER ACTIVITY OBSERVED WITHIN SEARCH AREA.

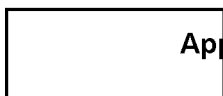
25X1

TOP SECRET [REDACTED]

25X1

Complexes

25X1

**TOP SECRET**

Approved For Release 2002/05/02 : CIA-RDP99T01396R000300110001-8

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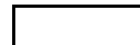
25X1

KH-4 MISSION 1042-1, 17-22 JUN 67

COMPLEXES

PEI-CHING COMPLEX

CH 3954N 11623E

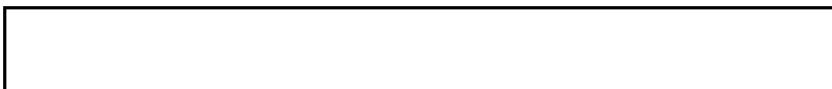
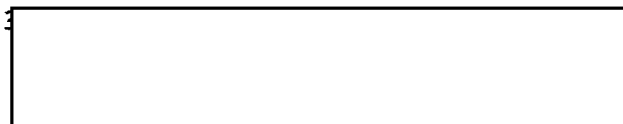


25X1

SMALL SCALE LIMITS INTERPRETABILITY OF INDUSTRIAL
ACTIVITY. STACKS EMITTING SMOKE ARE OBSERVED AT THE
PEI-CHING HEAT AND THERMAL POWERPLANT 1 AND THE
SHIH-CHING SHAN IRON AND STEEL PLANT.

NO NEW CONSTRUCTION, CHANGES IN FACILITIES, OR
PREVIOUSLY UNREPORTED FEATURES OBSERVED.

25X1

**TOP SECRET**

25X1

Index

INDEX OF TARGETS

AN ASTERISK (*) IN THE FINAL COLUMN DESIGNATES A TARGET THAT IS IDENTIFICATION ONLY.

COMOR INSTALLATION NAME CTY COORDINATES OAI

25X1

	PLESETSK MISSILE AND SPACE CENTER	UR 6254N 04038E 1
	YURYA ICBM COMPLEX	UR 5904N 04917E 1
	YOSHKAR-OLA ICBM COMPLEX	UR 5633N 04801E 1
	DROVYANAYA ICBM COMPLEX	UR 5131N 11300E 1
	KOSTROMA ICBM COMPLEX	UR 5746N 04101E 1
	TEYKOVO ICBM COMPLEX	UR 5652N 04034E 1
	UZHUR ICBM COMPLEX	UR 5517N 08949E 1
	OLOVYANNAYA ICBM COMPLEX	UR 5049N 11550E 1
	IMENI GASTELLO ICBM COMPLEX	UR 5106N 06618E 1
	TATISHCHEVO ICBM COMPLEX	UR 5140N 04534E 1
	KAPUSTIN YAR/VLADIMIROVKA MSL TEST CTR	UR 4835N 04545E 1
	KAPUSTIN YAR LAUNCH COMPLEX A	UR 4842N 04615E *
	KAPUSTIN YAR LAUNCH COMPLEX B	UR 4841N 04616E 1
	KAPUSTIN YAR LAUNCH COMPLEX C	UR 4836N 04616E 1
	KAPUSTIN YAR LAUNCH COMPLEX D	UR 4828N 04618E 1
	KAPUSTIN YAR LAUNCH COMPLEX G	UR 4822N 04617E 1
	KAPUSTIN YAR LAUNCH COMPLEX H	UR 4848N 04620E 1
	KAPUSTIN YAR SAM LAUNCH COMPLEX	UR 4848N 04545E 1
	KAPUSTIN YAR MISSILE STOR & HANDLING AREA	UR 4822N 04612E 1
	KAPUSTIN YAR MSL TEST & SUPPORT COMPLEX	UR 4834N 04553E 1
	SARY-SHAGAN ANTIMISSILE TEST CENTER	UR 4602N 07334E 1
	SARY-SHAGAN LAUNCH COMPLEX A (ZONE A)	UR 4625N 07252E 1
	SARY-SHAGAN LAUNCH COMPLEX B (ZONE B)	UR 4559N 07231E 1
	SARY-SHAGAN LAUNCH COMPLEX C	UR 4549N 07325E 1
	SARY-SHAGAN PROB LR SAM LAUNCH CPLX 1	UR 4605N 07327E 1
	SHUANG-CHENG-TZU MISSILE TEST CENTER	CH 4107N 10020E 1
	SHUANG-CHENG-TZU MTC LAUNCH COMPLEX A	CH 4115N 10017E 1
	SHUANG-CHENG-TZU MTC LAUNCH COMPLEX B	CH 4115N 10018E 1
	SHUANG-CHENG-TZU MTC LAUNCH COMPLEX C	CH 4118N 10017E 1
	SHUANG-CHENG-TZU MTC LAUNCH COMPLEX D	CH 4122N 10015E 1
	SHUANG-CHENG-TZU MTC SAM LAUNCH COMPLEX	CH 4102N 10030E 1
	SHUANG-CHENG-TZU SSM-SAM ASBLY & CHECK CPXCH	CH 4106N 10016E 1
	SHUANG-CHENG-TZU MTC MAIN SUPPORT BASE	CH 4058N 10011E 1
	SHUANG-CHENG-TZU PROB SSM TRNG SITE 1	CH 4143N 10025E 1
	SHUANG-CHENG-TZU PROB SSM TRNG SITE 2	CH 4143N 10041E 1
	SEVERODVINSK NAVAL BASE AND SHIPYARD 402	UR 6434N 03949E 1
	MOSKVA ABM SEARCH AREA	UR 5545N 03737E 1
	LENINGRAD PROB LR SAM LCH CPLX SEARCH	UR 5955N 03020E 1
	KALININGRAD PROB LONG RANGE SAM LCH CPLX	UR 5440N 02101E 1
	VENTSPILS PROB LONG RANGE SAM LCH CPLX	UR 5716N 02128E 1
	TASHKENT AIRFRAME PLANT B CHKALOV 84	UR 4118N 06918E 1
	CHOYBALSAN PROBABLE AIRFIELD	MG 4808N 11442E 1

25X1



TOP SECRET

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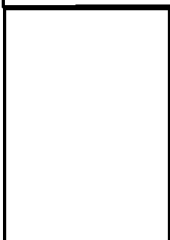
25X1

KH-4 MISSION 1042-1, 17-22 JUN 67

25X2



25X1



SARY-SHAGAN R & D RADAR FACILITY 2	UR 4558N 07358E 1
ARANTUR TROPOSCATTER FACILITY	UR 6110N 06400E 1
TATARSKOYE TROPOSCATTER FACILITY	UR 6436N 08740E 1
KOTLAS TALL KING-AW RADAR FACILITY	UR 6059N 04657E 1
CHOYBALSAN MILITARY COMPLEX	MG 4804N 11430E 1
MOROCCAN/ALGERIAN BORDER SEARCH	MO 2718N 00900W 1
PEI-CHING COMPLEX	CH 3954N 11623E 1

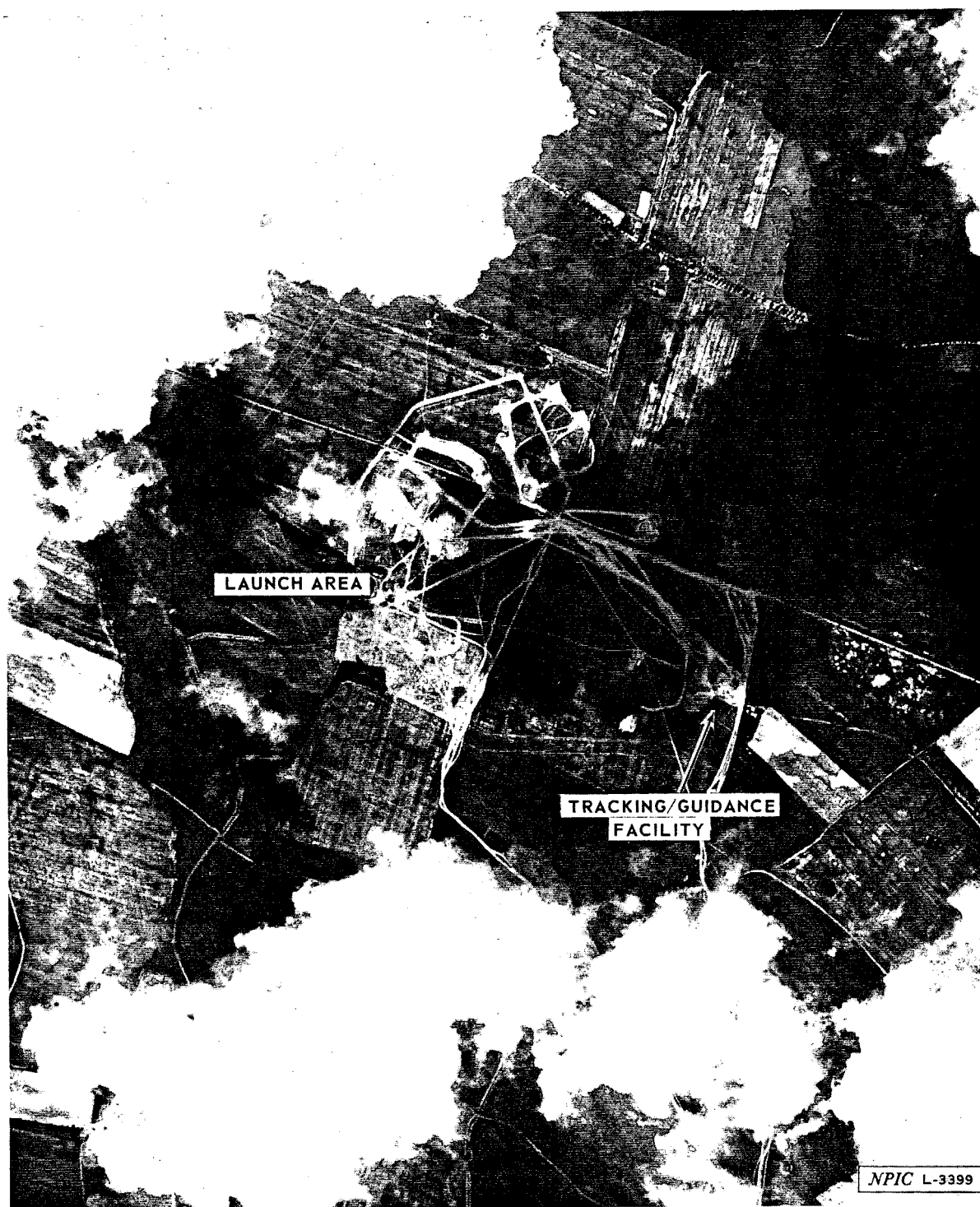
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TOP SECRET



25X1

Attachments



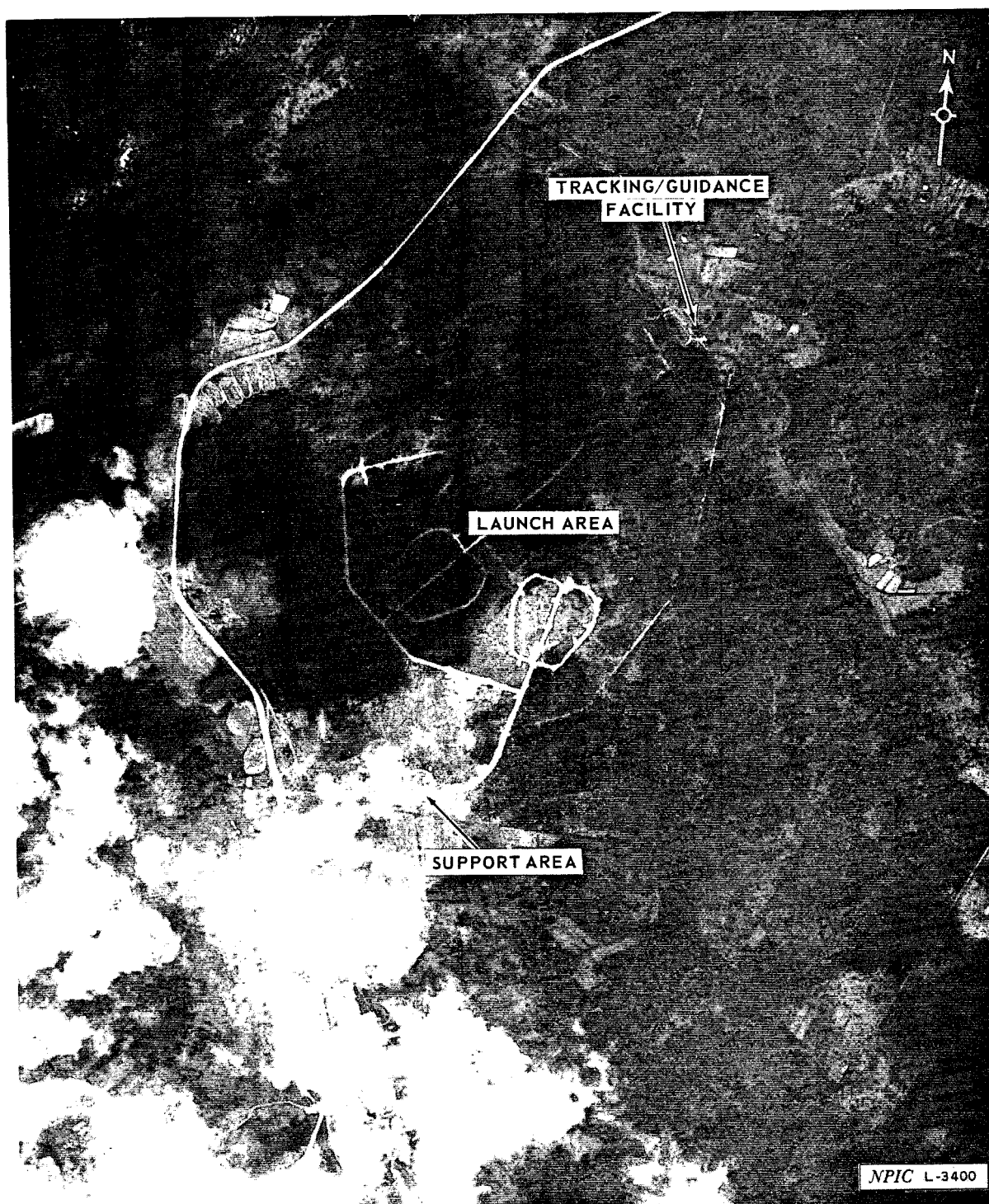
PROBABLE LONG RANGE SAM LAUNCH COMPLEX, KALININGRAD, USSR (MISSILE BONUS)

TOP SECRET

25X1

KH-4 MISSION 1042-1, 17-22 JUNE 1967

ATTACHMENT 2



PROBABLE LONG RANGE SAM LAUNCH COMPLEX, VENTSPILS, USSR (MISSILE BONUS)

TOP SECRET

25X1



AIRFIELD UNDER CONSTRUCTION, CHOYBALSAN, MONGOLIA (AIRFIELD BONUS)

TOP SECRET

25X2

Next 1 Page(s) In Document Exempt